

Converting Colors

XYZ(38.4806, 18.9221, 43.1595)

Have a look what the booklet for
XYZ(38.4806, 18.9221, 43.1595)
contains.

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Color

**XYZ(38.3672, 18.8623,
43.2136)**

Conversions

Conversions Part 1

Format	Color
Hex	DF00B1
RGB	223, 0, 177
RGB Percent	87%, 0%, 69%
CMY	0.1255, 0.9998, 0.3059
CMYK	0.00, 1.00, 0.21, 0.13
HSL	312°, 100%, 44%
HSV	312°, 100%, 87%
XYZ	38.3672, 18.8623, 43.2136
YIQ	86.8550, 76.0910, 102.3230

Conversions

Conversions Part 2

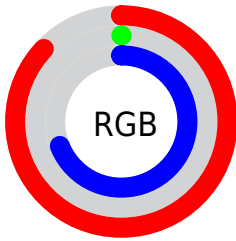
Format	Color
R_{YB}	223, 0, 177
Decimal	14614705
CIE _{Lab}	50.53, 82.78, -32.28
CIE _{LCh}	51, 88.847, 338.697
Yxy	18.8623, 0.3820, 0.1878
Android (android.graphics.Color)	4292804785 (0xFFDF00B1)
YUV	86.8550, 44.4415, 119.3992
Hunter-Lab	43.4307, 81.6850, -28.5920

Details

The XYZ color **38.3672, 18.8623, 43.2136** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **26.8823, 52.9734, 11.3972**, and the grayscale version is **8.9294, 9.3944, 10.2305**.

A 20% lighter version of the original color is **60.0402, 35.3276, 80.7452**, and **18.7423, 9.2418, 19.8648** is the 20% darker color. If you saturate the color by 10%, you get **38.3665, 18.8620, 43.2092**, and if you desaturate by 10%, it is **39.1274, 19.6360, 45.7681**.

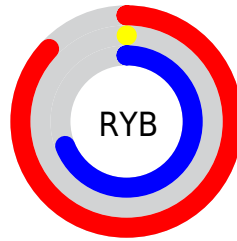
Distribution



Red (87%)

Green (0%)

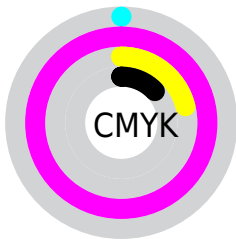
Blue (69%)



Red (87%)

Yellow (0%)

Blue (69%)

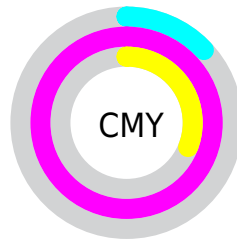


Cyan (0%)

Magenta (100%)

Yellow (21%)

Black (13%)



Cyan (13%)


Magenta (100%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3672, 18.8623, 43.2136 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 38.3672, 18.8623, 43.2136 by changing the saturation by 10% instead.


 38.3672, 18.8623,
43.2136


 38.3672, 18.8623,
43.2136


330.4462,
245.6875, 375.4365


 26.4463, 11.5708,
29.7201


 71.9709, 41.5013,
81.3229


 17.2923, 6.4522,
19.3760

 94.3844, 57.6176,
106.7758


 10.5397, 3.1219,
11.7627


 121.0262, 77.4443,
137.0522

 5.8232, 1.1957,
6.4617

 152.2615,
101.3658, 172.5707

 2.7775, 0.0582,
3.0545

 188.4559,
129.7664, 213.7499

 1.0372, 0.0000,
1.1225

 229.9745,

 0.0000, 0.0000,

163.0307, 261.0082

0.0000

277.1829,
201.5429, 314.7642

■ 38.3672, 18.8623,
43.2136

■ 38.3672, 18.8623,
43.2136

■ 38.3665, 18.8620,
43.2092

■ 39.1274, 19.6360,
45.7681

■ 40.2408, 21.0914,
48.5172

■ 41.8176, 23.4484,
51.4986

■ 43.9202, 26.8317,
54.7337

■ 46.6012, 31.3460,
58.2407

■ 49.9068, 37.0835,
62.0358

■ 53.8782, 44.1266,
66.1333

■ 58.5532, 52.5505,
70.5466

■ 63.9667, 62.4248,
75.2879

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.4954, 18.8623, 84.8426



38.3672, 18.8623, 43.2136



39.9615, 18.8623, 14.1333

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.3672, 18.8623, 43.2136



15.5244, 18.8623, 0.0000



7.8136, 18.8623, 67.1597

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.3672, 18.8623, 43.2136



26.8823, 52.9734, 11.3972

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



5.9853, 18.8623, 28.6330



38.3672, 18.8623, 43.2136



9.3972, 18.8623, 1.2701

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.3672, 18.8623, 43.2136



24.6893, 18.8623, 0.3032



6.4527, 18.8623, 7.6207



12.5298, 18.8623, 104.8122

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.3672, 18.8623, 43.2136



36.8785, 18.8623, 5.0879



6.4527, 18.8623, 7.6207



6.9233, 18.8623, 53.0360

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.3678, 18.8633, 43.2139



72.8721, 59.5449, 89.4819



14.3859, 5.8783, 70.1887



15.0861, 11.8337, 18.6379



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.3678, 18.8633, 43.2139



51.9468, 25.5427, 58.3114



31.4430, 16.0934, 6.7482



14.1675, 13.8846, 16.6524



22.6009, 11.1074, 25.6280



1.5975, 0.7823, 1.9392

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



38.3678, 18.8633, 43.2139



51.9468, 25.5427, 58.3114



32.3986, 55.1800, 40.4459



14.1675, 13.8846, 16.6524



22.6009, 11.1074, 25.6280



1.5975, 0.7823, 1.9392

Previews

White Background



This preview shows how the XYZ color 38.3672, 18.8623, 43.2136 looks on a white background.

Color Contrast Check

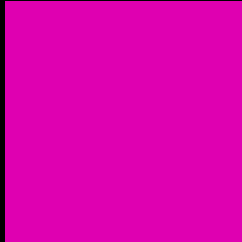
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 38.3672, 18.8623, 43.2136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

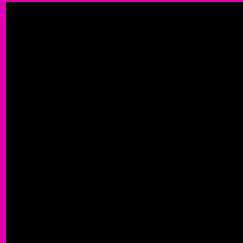
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3672, 18.8623, 43.2136

Background



This preview shows how black text looks on a background with the XYZ color 38.3672, 18.8623, 43.2136.



This preview shows how white text looks on a background with the XYZ color 38.3672, 18.8623,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.3672, 18.8623, 43.2136

Protanopia

23.7338, 19.8590, 93.0247

Deuteranopia

19.9061, 19.4373, 38.7790



Tritanopia

31.4171, 19.3084, 8.3744

Trichromacy



Original Color

38.3672, 18.8623, 43.2136



Protanomaly

19.2287, 12.1092, 71.1359



Deuteranomaly

22.4178, 14.5552, 39.6581



Tritanomaly

32.7211, 17.9299, 16.7751

Monochromacy



Original Color

38.3672, 18.8623, 43.2136



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

14.9097, 9.3227, 18.7829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3672, 18.8623, 43.2136 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(223, 0, 177)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 177)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(223, 0, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 177) }
```

Border

The CSS property to change the border of an element to XYZ 38.3672, 18.8623, 43.2136 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(223, 0, 177) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(223, 0, 177) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(223, 0, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 177);  
box-shadow:4px 4px 4px 4px rgb(223, 0,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3672, 18.8623, 43.2136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 177) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(223, 0,  
177) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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